Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application.

1. (Previously Presented) A method for testing a frequency converter comprising:

(a) displaying labels for a plurality of mixing products that can be produced by mixing signals within the frequency converter; and,

(b) in response to a user selecting a first mixing product from the plurality of mixing products, performing the following:

(b1) calculating appropriate frequencies for the first mixing product, and

(b2) determining a measurement configuration for the first mixing product.

2. (Original) A method as in claim 1 wherein in (a) the labels are obtained from a table defining the plurality of mixing products.

3. (Original) A method as in claim 1 wherein (b1) includes using parameters for the frequency converter.

4. (Original) A method as in claim 1 wherein (b1) includes using parameters for the frequency converter and measurement parameters obtained from the user.

5. (Original) A method as in claim 1 wherein (b) additionally includes performing the following:

(b3) sending commands to hardware to make measurements.

6. (Original) A method as in claim 5 wherein the hardware in (b3) includes tester hardware and an external local oscillator.

7. (Currently Amended) A method as in claim 1 wherein in the plurality of mixing products include at least one of the following measurements:

Match Input;

Match Output;

~~Match local oscillator (LO);~~

Isolation In->Out;

~~Isolation LO->Out;~~

Isolation Out->In;

~~Isolation LO->In;~~

~~Isolation Out->LO;~~

~~Isolation In->LO;~~

Conversion Gain vs. Input Power;

Input Match verses Input Power;

Spur Table;

Image Rejection;

Swept Spur;

Conversion Gain;

Gain compression.

8. (Original) A method as in claim 1 wherein (b2) includes using measurement parameters obtained from the user.

9. (Previously Presented) An interface for a tester comprising:

a table that defines a plurality of mixing products that can be produced by mixing signals, the table including labels for the plurality of mixing products;

a first display interface that displays at least a subset of the labels; and,

a processor that, in response to a user selecting a first mixing product from the plurality of mixing products, calculates appropriate frequencies for the first mixing product, and determines a measurement configuration for the first mixing product.

10. (Currently Amended) An interface as in claim 9 wherein in the plurality of mixing products include at least one of the following measurements:

Match Input;

Match Output;

~~Match local oscillator (LO);~~

Isolation In->Out;

~~Isolation LO->Out;~~

Isolation Out->In;

~~Isolation LO->In;~~

~~Isolation Out->LO;~~

~~Isolation In->LO;~~

Conversion Gain vs. Input Power;

Input Match verses Input Power;

Spur Table;

Image Rejection;

Swept Spur;

Conversion Gain;

Gain compression.

11. (Original) An interface as in claim 9 wherein when determining a measurement configuration for the first mixing product, the processor uses measurement parameters obtained from the user.

12. (Previously Presented) An interface as in claim 9 wherein when calculating appropriate frequencies for the first mixing product, the processor uses parameters for a device under test.

13. (Previously Presented) An interface as in claim 9 wherein when calculating appropriate frequencies for the first mixing product, the processor uses parameters for a device under test and measurement parameters obtained from the user.

14. (Original) An interface as in claim 9 wherein the processor sends commands to tester hardware to make measurements.

15. (Previously Presented) An interface for a tester comprising:

table means for defining a plurality of mixing products that can be produced by mixing signals, the table including labels for the plurality of mixing products;

interface means for displaying at least a subset of the labels; and,

processor means for, in response to a user selecting a first mixing product from the plurality of mixing products, calculating appropriate frequencies for the first mixing product, and determining a measurement configuration for the first mixing product.

16. (Currently Amended) An interface as in claim 15 wherein in the plurality of mixing products include at least one of the following measurements:

Match Input;

Match Output;

~~Match local oscillator (LO);~~

Isolation In->Out;

~~Isolation LO->Out;~~

Isolation Out->In;

~~Isolation LO->In;~~

~~Isolation Out->LO;~~

~~Isolation In->LO;~~

Conversion Gain vs. Input Power;

Input Match verses Input Power;

Spur Table;

Image Rejection;

Swept Spur;

Conversion Gain;

Gain compression.

17. (Original) An interface as in claim 15 wherein when determining a measurement configuration for the first mixing product, the processor means uses measurement parameters obtained from the user.

18. (Previously Presented) An interface as in claim 15 wherein when calculating appropriate frequencies for the first mixing product, the processor means uses parameters for a device under test.

19. (Previously Presented) An interface as in claim 15 wherein when calculating appropriate frequencies for the first mixing product, the processor means uses parameters for a device under test and measurement parameters obtained from the user.

20. (Original) An interface as in claim 15 wherein the processor means sends commands to tester hardware to make measurements.